

Title (en)  
BIODEGRADABLE IMPLANT AND METHOD FOR MANUFACTURING SAME

Title (de)  
BIOLOGISCH ABBAUBARES IMPLANTAT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
IMPLANT BIODÉGRADABLE ET PROCÉDÉ POUR SA FABRICATION

Publication  
**EP 2422821 B2 20221019 (EN)**

Application  
**EP 10767316 A 20100422**

Priority  
• KR 2010002542 W 20100422  
• KR 20090035267 A 20090422

Abstract (en)  
[origin: EP2422821A2] This invention relates to a biodegradable implant including magnesium, wherein the magnesium contains, as impurities, manganese (Mn); and one selected from the group consisting of iron (Fe), nickel (Ni) and mixtures of iron (Fe) and nickel (Ni), wherein an amount of the impurities is 1 part by weight or less but exceeding 0 parts by weight based on 100 parts by weight of the magnesium and weight ratio of the impurities satisfies the following condition:  $0 < \text{Manganese Mn} \leq 5$ , and to a method of manufacturing the same.

IPC 8 full level  
**A61L 27/04** (2006.01); **A61L 27/56** (2006.01); **A61L 27/58** (2006.01); **C22C 23/00** (2006.01)

CPC (source: EP US)  
**A61L 27/047** (2013.01 - EP US); **A61L 27/42** (2013.01 - EP US); **A61L 27/427** (2013.01 - US); **A61L 27/446** (2013.01 - US); **A61L 27/48** (2013.01 - EP US); **A61L 27/56** (2013.01 - EP US); **A61L 27/58** (2013.01 - EP US); **B22F 3/1121** (2013.01 - US); **B22F 3/26** (2013.01 - US); **B22F 7/06** (2013.01 - US); **C22C 23/00** (2013.01 - EP US); **C22C 23/02** (2013.01 - EP US); **C22F 1/06** (2013.01 - EP US); **B22F 2998/10** (2013.01 - US); **Y10T 29/49** (2015.01 - EP US)

Cited by  
CN104826176A; EP2984910A4; US10143086B2; EP2422821B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2422821 A2 20120229**; **EP 2422821 A4 20140409**; **EP 2422821 B1 20181128**; **EP 2422821 B2 20221019**; AU 2010239873 A1 20111124; CN 102548589 A 20120704; CN 103830773 A 20140604; ES 2712548 T3 20190513; JP 2012524599 A 20121018; JP 5784005 B2 20150924; KR 20100116566 A 20101101; TR 201902105 T4 20190321; US 10052405 B2 20180821; US 2012035740 A1 20120209; US 2016000964 A1 20160107; US 2017128620 A1 20170511; WO 2010123302 A2 20101028; WO 2010123302 A3 20110303

DOCDB simple family (application)  
**EP 10767316 A 20100422**; AU 2010239873 A 20100422; CN 201080024511 A 20100422; CN 201410045348 A 20100422; ES 10767316 T 20100422; JP 2012507158 A 20100422; KR 2010002542 W 20100422; KR 20100037628 A 20100422; TR 201902105 T 20100422; US 201013265694 A 20100422; US 201514824644 A 20150812; US 201715406084 A 20170113